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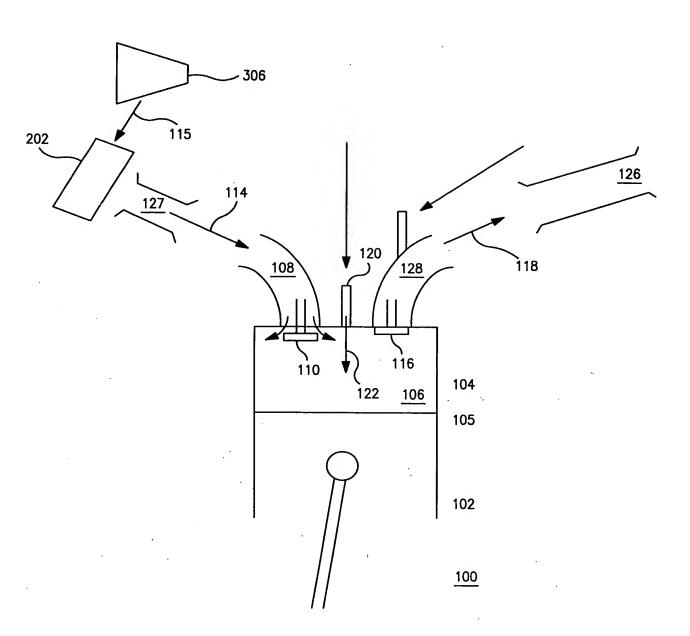


FIG. I

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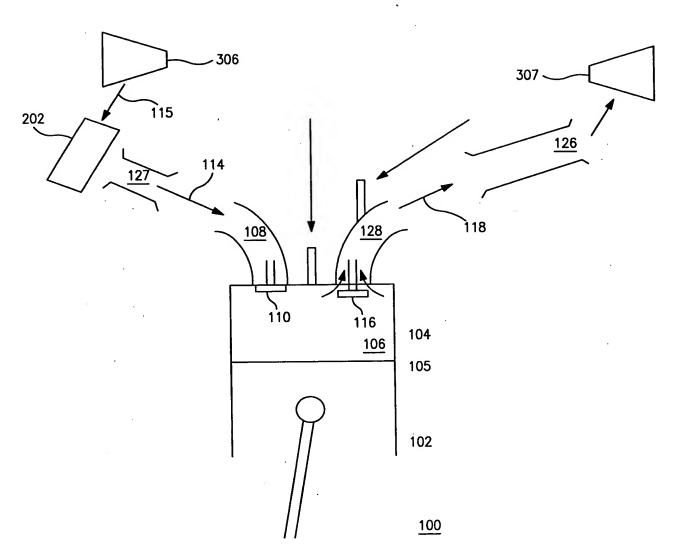


FIG. 2

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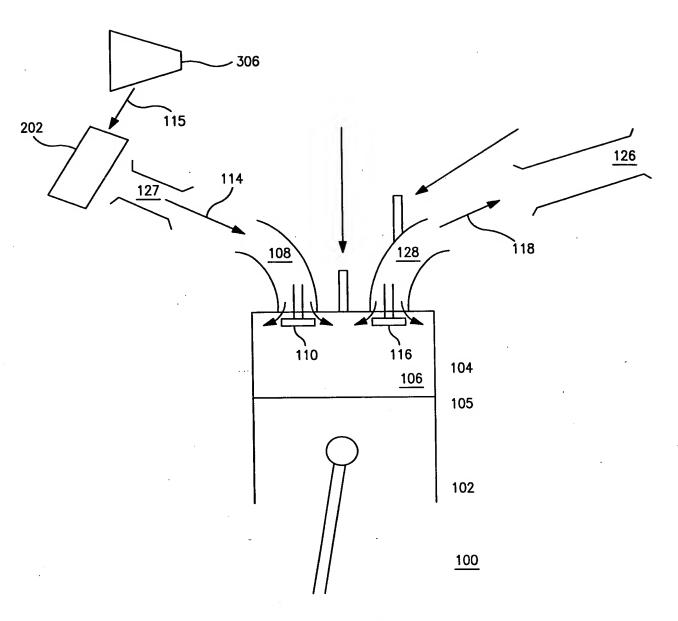
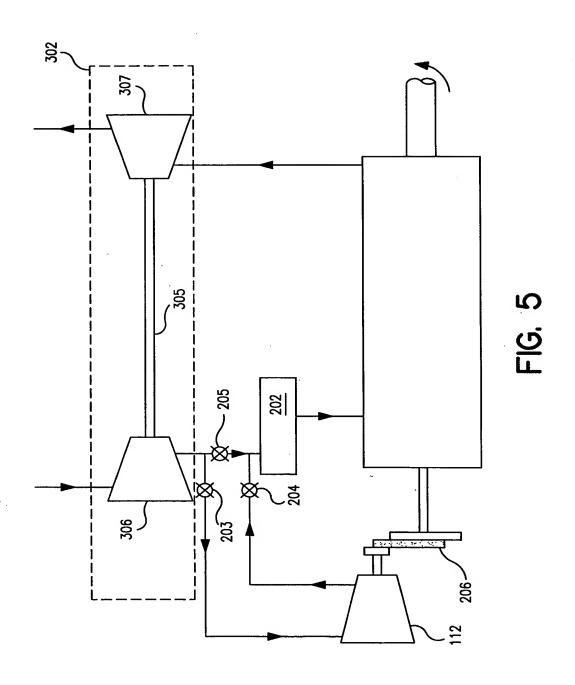


FIG. 3

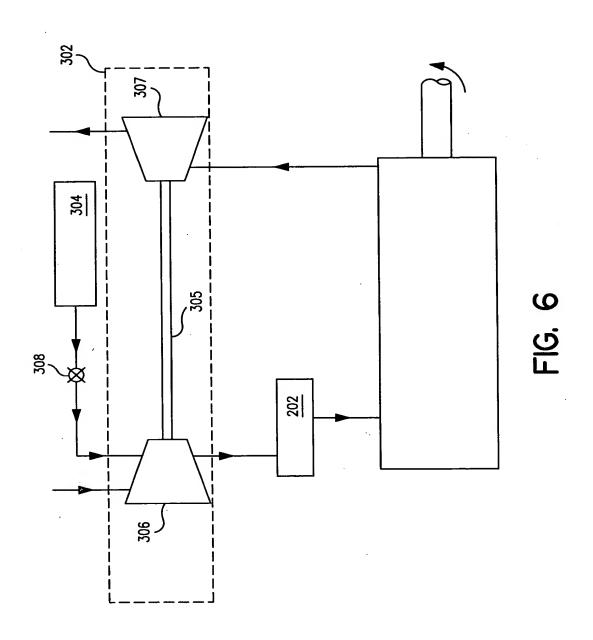
Intake Port Pressure Exhaust Port Pressure Inlet Valve Profile Exhaust Valve Profile Cylinder Pressure 110 Pressure vs. Crank Angle (1800 rpm-119 evo/postdwell) 200 FIG. 4 450 Crank Angle (deg) 116 710 704 400 702 2.5 <del>رن</del> ب 7

Pressure (bar)

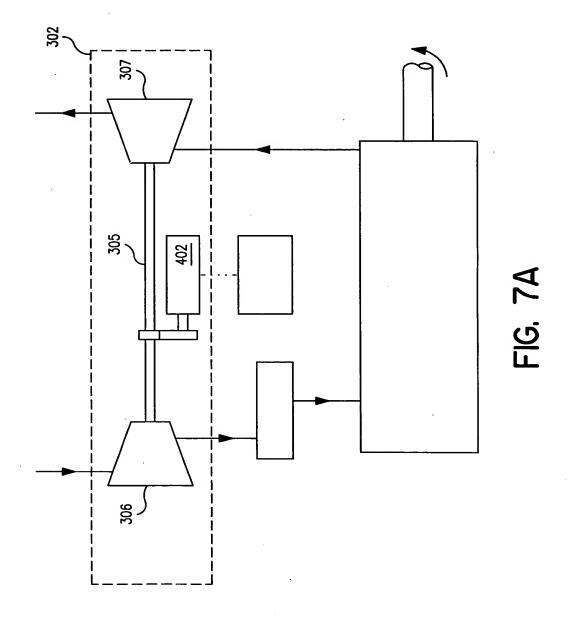
Inventors: KIM et al. Serial No.: New Application Filed: Herewith Atty Docket: 1110-316 4 of 19 sheets Inventors: KIM et al.
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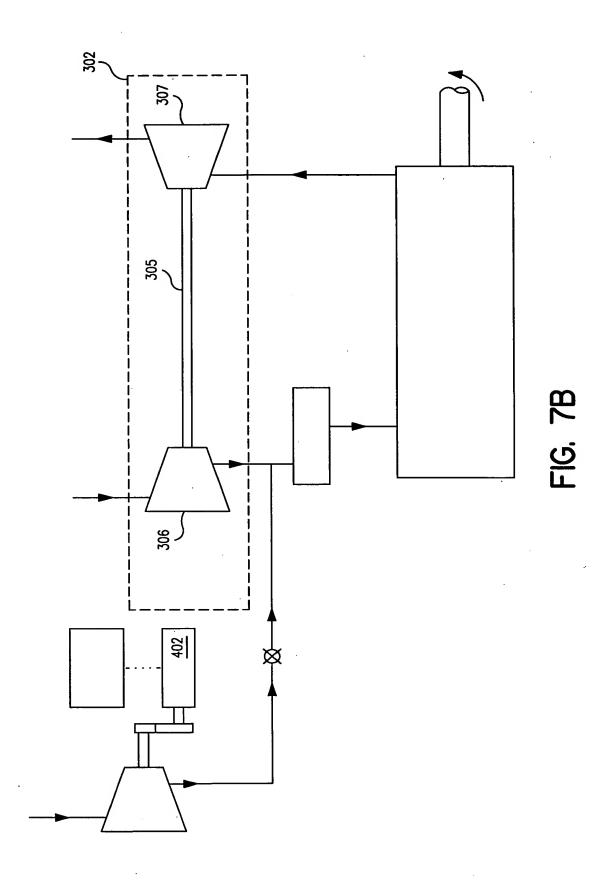
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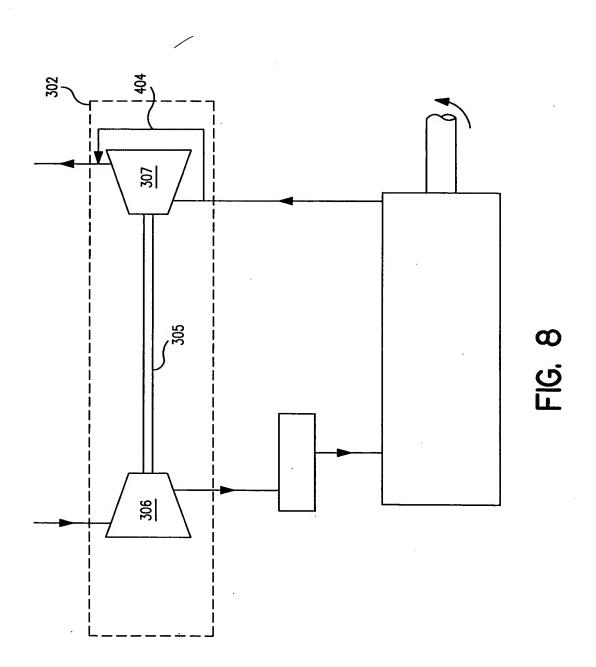
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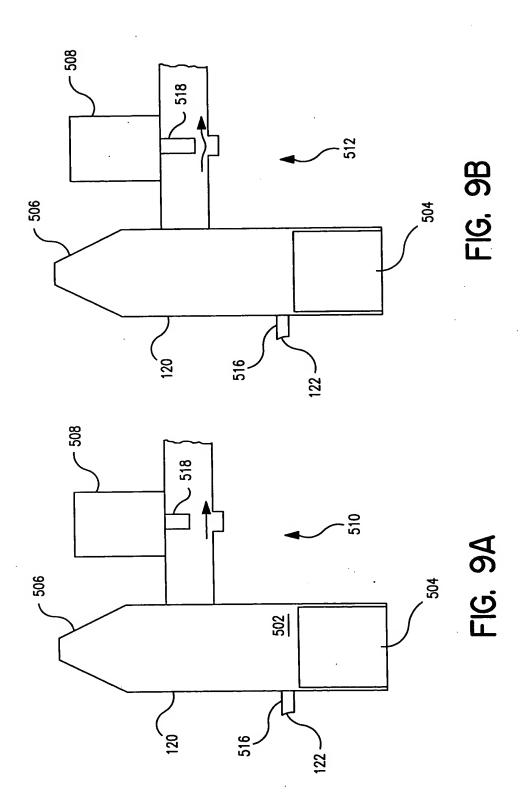
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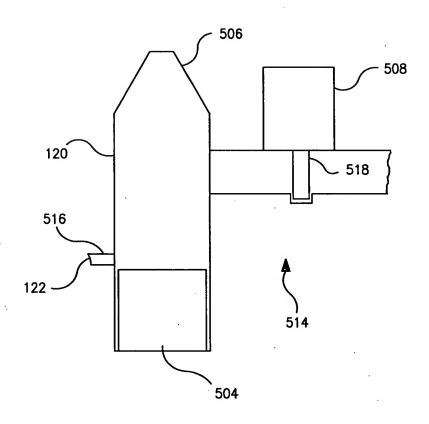


FIG. 9C

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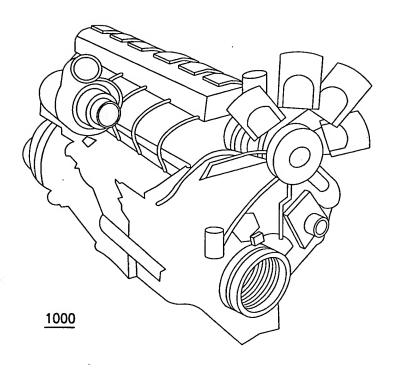
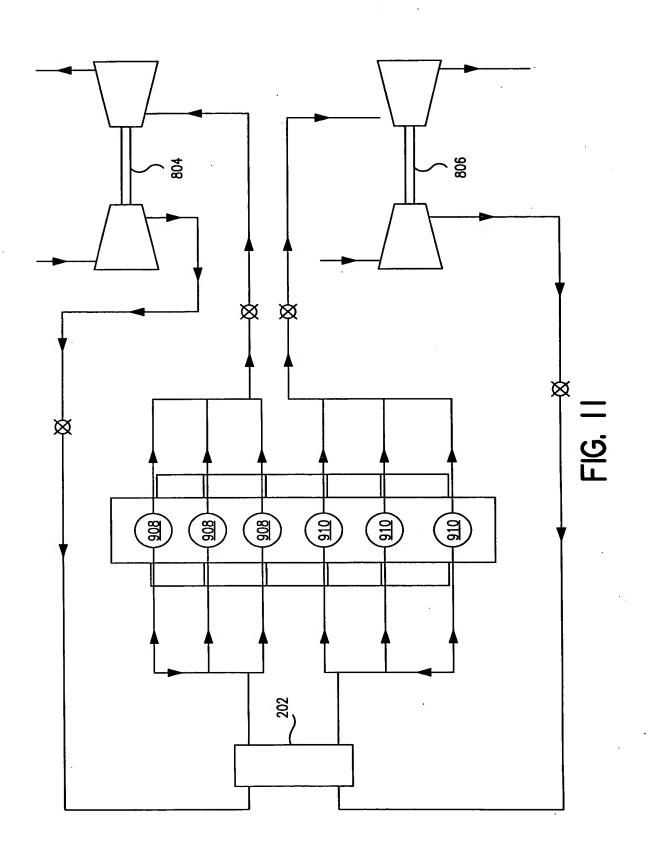


FIG. 10

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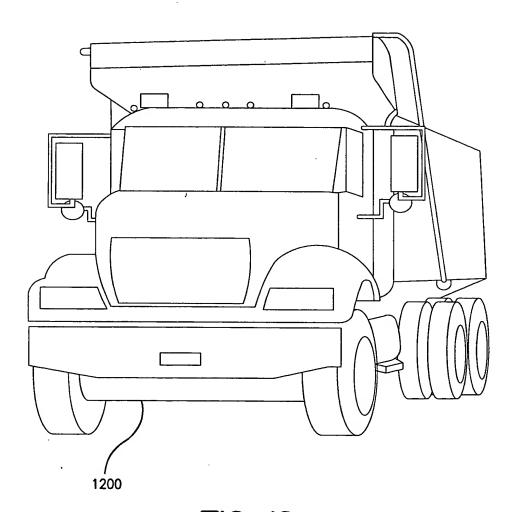


FIG. 12

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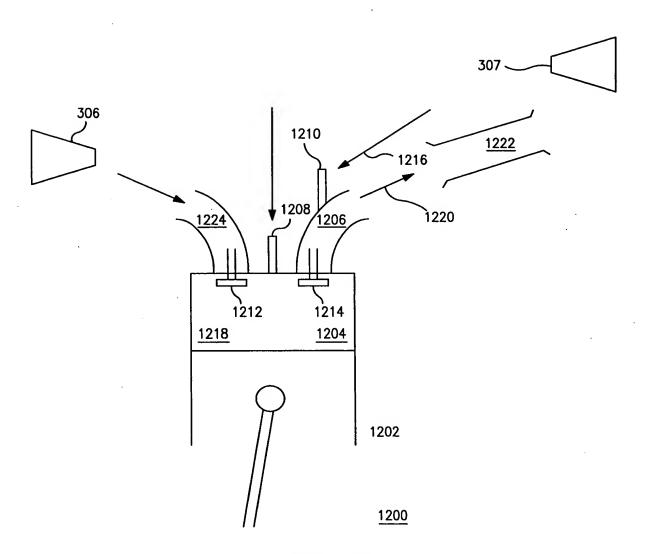


FIG. 13

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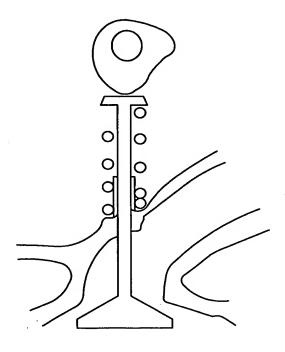


FIG. 14A

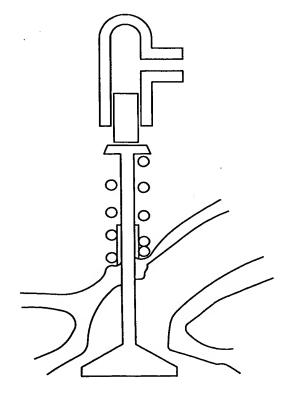


FIG. 14B

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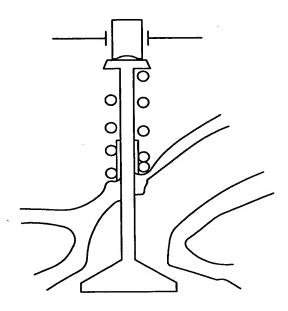


FIG. 14C

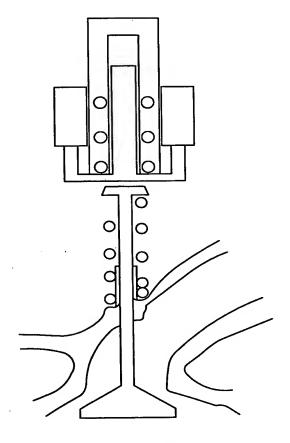
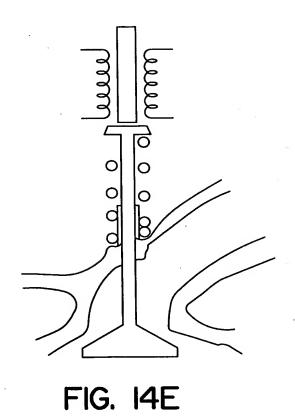


FIG. 14D

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